



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE  
AND TECHNOLOGY**

**UNIVERSITY EXAMINATIONS 2012/2013**

**1<sup>ST</sup> YEAR 1<sup>ST</sup> SEMESTER EXAMINATIONS FOR THE DEGREE  
OF BACHELOR OF SCIENCE IN COMMUNITY HEALTH AND  
DEVELOPMENT & BACHELOR OF SCIENCE IN PUBLIC  
HEALTH  
(REGULAR)**

**COURSE CODE: HCD 3111**

**COURSE TITLE: INTRODUCTION TO ANATOMY**

**DATE: 1/5/2013 TIME: 9.00-11.00AM**

**DURATION: 2 HOURS**

**INSTRUCTIONS**

1. This paper contains TWO sections.
2. Answer ALL questions in section A (Compulsory) and ANY other Two questions in section B.
3. Write all answers in the booklet provided.

**Section 1: answer all questions (3mks each)**

1. Define skeletal system
2. List how the skeletal system is classified
3. Name three bones of the axial skeleton
4. What are smooth muscles
5. What is the difference between cardiac and skeletal muscle
6. Name 3 functions of respiratory system
7. List the 3 layers of the heart
8. List all the chambers of the heart
9. Name the accessory organs of the gastrointestinal tract
10. List at least 3 ways of naming muscles

**Section B answer any TWO questions from this section (15 mrks each)**

1. Describe the process of digestion
2. Describe the process of breathing
3. Describe the cells of the nervous system and the functions of each cell
4. Discuss the pulmonary and systemic circulation